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OM protein - protein search, using sw model

Run on: October 11, 2002, 08:22:11 : Search time 17 Seconds
(without alignments)
186.784 Million cell updates/sec

Title: US-09-818-954A-1
Perfect score: 722
Sequence: 1 MKLAFLEPLPMLLLLAGYG.....VAIRCDGACSTATTCERT 130

Scoring table: BLOSUM62
Gapop 10.0 , Gapept 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PTUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	178	24.7	149	1	US-08-425-673-5 Sequence 5, Appl
2	170	23.5	104	4	US-08-918-288-74 Sequence 74, Appl
3	170	23.5	104	4	US-09-282-357-74 Sequence 74, Appl
4	170	23.5	108	4	US-08-918-288-73 Sequence 73, Appl
5	170	23.5	108	4	US-09-282-357-73 Sequence 73, Appl
6	170	23.5	111	4	US-08-918-288-72 Sequence 72, Appl
7	170	23.5	111	4	US-09-282-357-72 Sequence 72, Appl
8	164	22.7	222	4	US-08-918-288-30 Sequence 30, Appl
9	164	22.7	222	4	US-09-282-357-30 Sequence 30, Appl
10	164	22.7	223	4	US-08-918-288-27 Sequence 27, Appl
11	164	22.7	223	4	US-09-282-357-27 Sequence 27, Appl
12	164	22.7	229	4	US-08-918-288-12 Sequence 12, Appl
13	164	22.7	229	4	US-09-282-357-12 Sequence 12, Appl
14	162	22.4	234	4	US-08-918-288-9 Sequence 9, Appl
15	162	22.4	234	4	US-09-282-357-9 Sequence 9, Appl
16	161	22.3	111	1	US-08-425-673-3 Sequence 3, Appl
17	161	22.3	111	1	US-08-425-673-4 Sequence 4, Appl
18	157	21.7	181	4	US-08-918-288-36 Sequence 36, Appl
19	157	21.7	181	4	US-09-282-357-36 Sequence 36, Appl
20	156	21.6	131	6	5177193-3 Patent No. 5177193
21	155	21.5	114	4	US-08-918-288-71 Sequence 71, Appl
22	155	21.5	114	4	US-09-282-357-71 Sequence 71, Appl
23	155	21.5	234	4	US-08-918-288-6 Sequence 6, Appl
24	155	21.5	234	4	US-08-918-288-21 Sequence 21, Appl
25	155	21.5	234	4	US-08-918-288-24 Sequence 24, Appl
26	155	21.5	234	4	US-09-282-357-6 Sequence 6, Appl
27	155	21.5	234	4	US-09-282-357-21 Sequence 21, Appl

28	155	21.5	234	4	US-09-282-357-24 Sequence 24, Appl
29	155	21.5	237	4	US-08-918-288-18 Sequence 18, Appl
30	155	21.5	237	4	US-09-282-357-18 Sequence 18, Appl
31	155	21.5	265	4	US-08-918-288-39 Sequence 39, Appl
32	155	21.5	265	4	US-08-918-288-39 Sequence 39, Appl
33	155	21.5	265	4	US-09-282-357-3 Sequence 3, Appl
34	155	21.5	265	4	US-09-282-357-39 Sequence 39, Appl
35	152	21.1	165	2	US-08-709-924-2 Sequence 2, Appl
36	152	21.1	165	2	US-08-709-925-2 Sequence 2, Appl
37	152	21.1	165	4	US-08-709-948-2 Sequence 2, Appl
38	151	20.9	237	4	US-08-918-288-15 Sequence 15, Appl
39	151	20.9	237	4	US-09-282-357-15 Sequence 15, Appl
40	145.5	20.2	307	4	US-08-804-166-4 Sequence 4, Appl
41	145.5	20.2	307	4	US-08-910-991-4 Sequence 4, Appl
42	144	19.9	145	1	US-08-298-189B-1 Sequence 1, Appl
43	143	19.8	114	4	US-08-918-288-69 Sequence 69, Appl
44	143	19.8	114	4	US-09-282-357-69 Sequence 69, Appl
45	143	19.8	145	1	US-08-475-213-10 Sequence 10, Appl

ALIGNMENTS

```

RESULT 1
US-08-425-673-5
: Sequence 5, Application US/08425673
: Patent No. 5508261
: GENERAL INFORMATION:
: APPLICANT: Moyle, William R.
: APPLICANT: Campbell, Robert K.
: TITLE OF INVENTION: Analogs of Glycoprotein Hormones Having
: TITLE OF INVENTION: Altered Receptor Binding Specificity and Activity and
: TITLE OF INVENTION: Methods for Preparing and Using Same
: NUMBER OF SEQUENCES: 12
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Richard R. Muccino
: STREET: P.O. Box 1267
: CITY: Princeton
: STATE: New Jersey
: COUNTRY: USA
: ZIP: 08551
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patentln Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/425,673
: FILING DATE:
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/717,151
: FILING DATE: 18-JUN-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Muccino, Richard R.
: REGISTRATION NUMBER: 32,538
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (609) 466-3407
: TELEFAX: (609) 466-2760
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 149 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
: HYPOTHEICAL: NO
: ANTI-SENSE: NO
: US-08-425-673-5

Query Match 24.7%; Score 178; DB 1; Length 149;
Best local Similarity 35.8%; Pred. No. 2.1e-12;
Matches 39; Conservative 13; Mismatches 41; Indels 16; Gaps 4;

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APPLICATION NUMBER: US/09/282,357
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/918,288
FILING DATE: 25 AUG-1997
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 23500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 73:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

US-09-282-357-73

Query Match 23.5%, Score 170; DB 4; Length 108;
Best Local Similarity 37.5%; Pred.No. 1,le-11;
Matches 36; Conservative 14; Mismatches 38; Indels 8; Gaps 4;

OY 36 CAVREFTLAKKPGRCGRIRITTDACW--GRCETWKRPILP--PYIEAHHRCTYNENIKQ 91
| : | : | | | | | : | : | : | : | : | : | : | :
DB 3 CELNITTIAVEKECG-GFCITINTWCAGCYTRDLVYKKDPAARIQ--KTCTPEKLIV 58

OY 92 VTKLPLPCAGVDPPYYTPVAIRCDCGASSTATTEC 127
||::||| || | ||||| : || | : ::||
Db 59 ETVRPGCAHHADSLTYTTPVATQCCHGCKDSBSTDIC 94

RESULT 6
US-08-918-288-72
Sequence 72, Application US/08918288
Patent No. 6238890
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
City: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/282,357
FILING DATE:
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:

```

1 NAME: Murashige, Kate H
2 REGISTRATION NUMBER: 29,959
3 REFERENCE/DOCKET NUMBER: 29500-20050.25
4 TELECOMMUNICATION INFORMATION:
5     TELEPHONE: 202-887-1500
6     TELEFAX: 202-887-0763
7     TELEX:
8 INFORMATION FOR SEQ ID NO: 72:
9     SEQUENCE CHARACTERISTICS:
10        LENGTH: 111 amino acids
11        TYPE: amino acid
12        STRANDEDNESS: single
13        TOPOLOGY: linear
14 US-08-918-288-72
15
16 Query Match          23.5%; Score 170; DB 4; Length 111;
17 Best Local Similarity 37.5%; Pred.No.1,2e-11;
18 Matches 36; Conservative 14; Mismatches 38; Indels 8; Gaps
19
20 QY      36 CAVREFTFLAKKPGGRLGITTTDACV--GRCEIWEKRIIEP--PYLEAHNRVCYNETQK 91
21         | : | : | | | | | : | : | : | : | : | : | : | : | : | : | : |
22 DB      3 CELTNTITAVEKEGC-GECITINTWCAAGUYCTRDLVNDPRAPRKIQ--KICTFEELY 58
23
24 QY      92 VIVKLPCNCPGVDPRTTYTPVAIRCDGCASTATTEC 127
25         ||::| | | | | | | | | | | | | | | : | : |
26 DB      59 ETVRVPGCAHNAHDSLVTYPVATQCCHGKCDSSTDG 94
27
28 RESULT 7
29 US-09-282-357-72
30 Sequence 72, Application US/09282357
31 Patent No. 6242360
32 GENERAL INFORMATION:
33 APPLICANT: BOIME, Irving
34 APPLICANT: MOYLE, William R.
35 TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
36 TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
37 NUMBER OF SEQUENCES: 83
38 CORRESPONDENCE ADDRESS:
39 ADDRESSEE: MORRISON & FOERSTER
40 STREET: 2000 Pennsylvania Avenue, NW, suite 5500
41 CITY: Washington
42 STATE: DC
43 COUNTRY: USA
44 ZIP: 20006-1888
45 COMPUTER READABLE FORM:
46 MEDIUM TYPE: Diskette
47 COMPUTER: IBM Compatible
48 OPERATING SYSTEM: DOS
49 SOFTWARE: FASTSEQ for Windows Version 2.0
50 CURRENT APPLICATION DATA:
51 APPLICATION NUMBER: US/09/282,357
52 FILING DATE:
53 CLASSIFICATION: 536
54 PRIOR APPLICATION DATA:
55 APPLICATION NUMBER: 08/918,288
56 FILING DATE: 25 AUG-1997
57 APPLICATION NUMBER: 08/853,524
58 FILING DATE: 09-MAY-1997
59 APPLICATION NUMBER: 08/199,382
60 FILING DATE: 18-FEB-1994
61 ATTORNEY/AGENT INFORMATION:
62 NAME: Murashige, Kate H
63 REGISTRATION NUMBER: 29,959
64 REFERENCE/DOCKET NUMBER: 29500-20050.25
65 TELECOMMUNICATION INFORMATION:
66 TELEPHONE: 202-887-1500
67 TELEFAX: 202-887-0763
68     TELEX:
69 INFORMATION FOR SEQ ID NO: 72:
70 SEQUENCE CHARACTERISTICS:
71 LENGTH: 111 amino acids
72 type: amino acid
73 STRANDEDNESS: single
74 TOPOLOGY: linear
75 US-08-918-288-72

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: STRANDEDNESS: single
: TOPOLOGY: linear
US-09-282-357-72

Query Match          23.5%, Score 170; DB 4; Length 111;
Best Local Similarity 37.5%; Pred. No. 1,2e-11;
Matches 36; Conservative 14; Mismatches 38; Indels 8; Gaps 4;

OY      36 CAVREFTEFLAKKPGGRGIRITTDACW--GRCITWEKPILEP--PYIEAHNRVCYTUNETKO 91
       | : | : | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      3 CELNITTITAVEEGC-GGCITINTTWCAGYCTTRDLYVKDPARKIQ--KTCTPKELVY 58
       ||::|| | | ||||| | | | | | | | | | | | | | | | | | | | | | | | |

Db      59 ETVRVGCCAHHADSLTYTPVATQCICGCKSDISTDC 94

RESULT 8
US-08-918-288-30
: Sequence 30, Application US/08918288
: Patent No. 6238890
: GENERAL INFORMATION:
: APPLICANT: BOIME, Irving
: APPLICANT: MOYLE, William R.
: TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
: TITLE OF INVENTION: GLYCOPROTEIN HORWONE QUARTET
: NUMBER OF SEQUENCES: 83
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 2000 Pennsylvania Avenue, NW, suite 5500
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20006-1888
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/918,288
: FILING DATE:
: CLASSIFICATION:
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: 09/282,357
: FILING DATE:
: APPLICATION NUMBER: 08/853,524
: FILING DATE: 09-MAY-1997
: APPLICATION NUMBER: 08/199,382
: FILING DATE: 18-FEB-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Murashige, Kate H
: REGISTRATION NUMBER: 29,959
: REFERENCE/DOCKET NUMBER: 29500-2005.25
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-887-1500
: TELEFAX: 202-887-0763
: TELEX:
: INFORMATION FOR SEQ ID NO: 30:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 222 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FRAGMENT TYPE: Internal
US-08-918-288-30

Query Match          22.7%, Score 164; DB 4; Length 222;
Best Local Similarity 36.8%; Pred. No. 1,2e-10;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

OY      36 CAVRFEFLAKKPGCR-GIRITTDACMGRCEIWEKPILEP--PYIEAHNRVCYTUNETKOV 92

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Db 21 CELTNTITAIKEBRCFCISINTWACAGCYTRDLVYKDPARPKIO---KCTFRELVE 77
Qy 93 TVKLPCNCAVGDPFTYTPVAIRCDGACSTATTEC 127
Db 78 TVRPVGCANHADSLTYTPVATQCHGKCDSDSDTC 112

RESULT 9
US-09-282-357-30

Sequence 30, Application US/09282357
Patent No. 6242580
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282,357
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/918,288
FILING DATE: 25 AUG-1997
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 222 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-09-282-357-30

Query Match 22.7%; Score 164; DB 4; Length 222;
Best Local Similarity 36.8%; Pred. No. 1.2e-10;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

Qy 36 CAVREFTLAKKPGCR-GLRITTDACMGRCETWEKPILEP--PYEANHRYCTVNETKOV 92
Db 21 CELTNTITAIKEBRCFCISINTWACAGCYTRDLVYKDPARPKIO---KCTFRELVE 77
Qy 93 TVKLPCNCAVGDPFTYTPVAIRCDGACSTATTEC 127
Db 78 TVRPVGCANHADSLTYTPVATQCHGKCDSDSDTC 112

RESULT 10

US-08-918-288-27
Sequence 27, Application US/08918288
Patent No. 6238890
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/282,357
FILING DATE:
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-918-288-27

Query Match 22.7%; Score 164; DB 4; Length 223;
Best Local Similarity 36.8%; Pred. No. 1.2e-10;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

Qy 36 CAVREFTLAKKPGCR-GLRITTDACMGRCETWEKPILEP--PYEANHRYCTVNETKOV 92
Db 21 CELTNTITAIKEBRCFCISINTWACAGCYTRDLVYKDPARPKIO---KCTFRELVE 77
Qy 93 TVKLPCNCAVGDPFTYTPVAIRCDGACSTATTEC 127
Db 78 TVRPVGCANHADSLTYTPVATQCHGKCDSDSDTC 112

RESULT 11
US-09-282-357-27
Sequence 27, Application US/09282357
Patent No. 6242580
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282,357
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/918,288
FILING DATE: 25 AUG-1997
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-09-282-357-27

Query Match      22.7%; Score 164; DB 4; Length 223;
Best local Similarity 36.8%; Pred. No. 1.2e-10;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

QY 36 CAVREFFLAKKPCGR-GLRITTDACGRCETWEKPILEP--PYIEAHHRVCTYNKQV 92
DB 21 CELTNTITIAIEKEECRCISINTTWCAGYCYTRDLVYKDPARKIQ---KTCTFKELVYE 77
QY 93 TVKLPMCAFGVDPFYYTPVAIRCDGCGASTATTEC 127
DB 78 TVRVPGCAHHADSLVYTPVATQCHGCKGCDSDSTDC 112

RESULT 12
US-08-918-288-12
Sequence 12, Application US/08918288
Patent No. 6238890
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/282,357
FILING DATE:
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 229 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-918-288-12

Query Match      22.7%; Score 164; DB 4; Length 229;
Best local Similarity 36.8%; Pred. No. 1.3e-10;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

QY 36 CAVREFFLAKKPCGR-GLRITTDACGRCETWEKPILEP--PYIEAHHRVCTYNKQV 92
DB 21 CELTNTITIAIEKEECRCISINTTWCAGYCYTRDLVYKDPARKIQ---KTCTFKELVYE 77
QY 93 TVKLPMCAFGVDPFYYTPVAIRCDGCGASTATTEC 127
DB 78 TVRVPGCAHHADSLVYTPVATQCHGCKGCDSDSTDC 112

RESULT 13
US-09-282-357-12
Sequence 12, Application US/09282357
Patent No. 6242580
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282,357
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/918,288
```

REFERENCE/DOCKET NUMBER: 29500-20050.25

TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 9:

